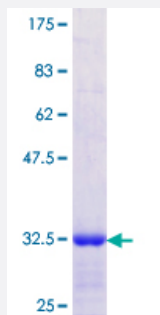


SGCD (Human) Recombinant Protein (Q01)

Catalog # H00006444-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SGCD partial ORF (NP_000328.2, 114 a.a. - 189 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	ILNDQTKVLTQLITGPKAVEAYGKKFEVKTVSGKLLFSADNNEVVVGAERLRVLGAEGTVFPKSIET PNVRADPFK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	34.1
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SGCD

Entrez GeneID	6444
GeneBank Accession#	NM_000337
Protein Accession#	NP_000328.2
Gene Name	SGCD
Gene Alias	35DAG, CMD1L, DAGD, MGC22567, SG-delta, SGCDP, SGD
Gene Description	sarcoglycan, delta (35kDa dystrophin-associated glycoprotein)
Omim ID	601287 601411 606685
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is one of the four known components of the sarcoglycan complex, which is a subcomplex of the dystrophin-glycoprotein complex (DGC). DGC forms a link between the F-actin cytoskeleton and the extracellular matrix. This protein is expressed most abundantly in skeletal and cardiac muscle. Mutations in this gene have been associated with autosomal recessive limb-girdle muscular dystrophy and dilated cardiomyopathy. Alternatively spliced transcript variants encoding distinct isoforms have been observed for this gene. [provided by RefSeq]
Other Designations	35kD dystrophin-associated glycoprotein delta-sarcoglycan dystrophin associated glycoprotein, delta sarcoglycan placental delta sarcoglycan sarcoglycan, delta (35kD dystrophin-associated glycoprotein)

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)

Disease

- [Angina Pectoris](#)
- [Carcinoma](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Coronary Vasospasm](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)